

Notice of Allowability

Application No.

10/043,974

Applicant(s)

KANE ET AL.

Examiner

Joseph D. Manoskey

Art Unit

2113

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 10/06/05 and Pre-Appeal Brief filed 10/11/05.
2. ☒ The allowed claim(s) is/are 1-4, 10-13, 15, 19-21 and 24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date ____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-4, 10-13, 15, 19-21, and 24 are allowed.
2. Applicant's arguments, see amendment, filed 06 October 2005 and pre-appeal brief filed 11 October 2005, with respect to claims 1-4, 10-13, 15, 19-21, and 24 have been fully considered and are persuasive. The 35 U.S.C. 103(a) rejection of the claims has been withdrawn.
3. The following is an examiner's statement of reasons for allowance:

Claims 1-4 are allowable because the prior art does not teach "making at least a portion of the directory cache unavailable to one or more resources in the system in response to determining that the error is uncorrectable, wherein making at least the portion of the directory cache unavailable comprises generating a cache miss in response to a request to access the directory cache;" and the other limitations occurring "in response to determining that the error is uncorrectable". The prior art teaches making a portion of the directory cache unavailable due to an error and then determining if the error is correctable or uncorrectable.

Claims 10-13, 15, and 19 are allowable because the prior art does not teach “determine if at least one uncorrectable error exists in the directory cache; place at least a portion of the directory cache offline in response to determining that the error is uncorrectable, wherein placing at least the portion of the directory cache unavailable comprises generating a cache miss in response to a request to access the directory cache;” and the other limitations occurring “in response to determining that the error is uncorrectable”. The prior art teaches making a portion of the directory cache unavailable due to an error and then determining if the error is correctable or uncorrectable.

Claims 20, 21, and 24 are allowable because the prior art does not teach “determine a multiple-bit error in data stored in a directory cache of a domain; isolate at least a portion of the directory cache from one or more resources in the domain while the domain is active, in response to determining the multiple-bit error” and the other limitations occurring “in response to determining that the multiple-bit error”. The prior art teaches isolating a portion of the directory cache due to an error and then determining if the error is single bit error, correctable, or a multiple-bit error, uncorrectable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”


Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph D. Manoskey whose telephone number is (571) 272-3648. The examiner can normally be reached on Mon.-Fri. (7:30am to 4pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on (571) 272-3645. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JDM
October 27, 2005


ROBERT BEAUSOLIEL
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100